OHIO DEPARTMENT OF NATURAL RESOURCES DIVISION OF RECLAMATION

F . UZ

ATTACHMENT 20 (SEDIMENTATION POND/IMPOUNDMENT DATA SHEET)

J. 17.	7.15 CL	.10.5	Name THE OHIO VALLEY COX	I. COMPANY	Fond # <u>01</u>	.3	
Тур	c of	impo	pundment EXCAVATED P	ermanent	Tomporary	X	
1.	PONI	DRA	AINAGE AREA DATA:	N.			
	a) b) c) d) e) f)	Disturbed area <u>24.6</u> acres Note land slope 1 % Hydrologic soil group N/A (MTNE REFUSE) Hydraulic length <u>2400</u> ft.					
2.	DESIGN STORM CRITERIA:						
	a) Method:						
		1)	Design method (s) includ	ding computer pro	ograms: <u>SED</u>	CAD +	
		2)	SCS curve number 87				
	ხ)	Rain	fall Amount/Peak Flow	Rainfall,	in. Peak	flow, cfs.	
		1) 2) 3)	10 year, 24 hour - 25 year, 24 hour 50 year, 6 hour = (if permanent) 100 year, 6 hour = (if 20/20 size)	3.7		41	
3.	POND SIZE:						
	a)	Dime	nsions:				
	2)	Dai	m height 3.0 ft. 4) m width 15 ft. 5) m length 125 ft. 6)	Dam downstream Dam upstream s Core length	slope 50 %		
	ხ)	Sec	diment storage volume <u>3.</u> at elevation.	<u>15</u> ac. ft. is p	rovided below	v the <u>885.0</u>	
	c)	Stag	e/Area Data:		urface Area	Volumo	
	2) 3) 4)	St Pr Ex	ttom of pond reambed at upstream toe: incipal spillway inlet: it Channel Grest: p of embankment:	ft. 879.0 N/A N/A 885.0 888.0	N/A N/A 0.66 0.79	ac.ft. 0 N/A N/A 3.15 5.32	

	POND #013					
•	PRINCIPAL SPILLWAY: N/A a) Pipe length ft. b) Pipe diameter in. c) Pipe slope 2 d) Riser diameter in. e) Riser height ft. f) Type of pipe g) Number of anti-seep collars; spacing along pipe ft. h) Does the design include a trash rack? Yes, No. i) Does the design include an anti-vortex device? Yes, No.					
5.	EMERGENCY SPILLWAY/EXIT CHANNEL:					
	a) Base width 12 ft. b) Design flow depth 0.4 ft. Depth in level section 1.1 ft. c) Exit slope 3 3 d) Exit velocity 7.8 fps e) Channel lining ROCK RIPRAP (DMAX=8") f) Side slopes 2:1 g) Freeboard 1.9 ft. h) Entrance slope 50 3 i) Length of level section 10 ft.					
6.	The minimum static factor of safety for this impoundment is1.5					
7.	Provide as an addendum to this attachment a detailed plan view or 2 crossections of the impoundment.					
8.	COMMENTS A 6 INCH DIAMETER CORRUGATED POLYETHYLENE PIPE 100' LONG AT A SLOPE OF 3% WILL BE USED TO DEWATER THE POND. THE INVERT WILL BE AT THE 383.0 ELEVATION.					
9.	Is this an MSHA structure?Yes,XNo. If "yes," provide the MSHA ID. number if one has been assigned					
10.	If this is to be retained as a permanent impoundment, submit an addendum to this attachment demonstrating compliance with rule $1501:13-9-04(\mathrm{H})$ (2 of the Administrative Code.					
11.	I hereby certify that this impoundment is designed to comply with the applicable requirements of rule 1501:13-9-04 of the Administrative Code using current, prudent engineering practices.					
	Ulliam). Sipling 2-24-98					
	Signature 0/ A Date					
	P.E. SEAL					

